

## PROJECT DESCRIPTION

## I. GENERAL

This project involves the installation of a Point Control Person (Flag in the Air) at MD 202 and the St. Mary's of the Assumption School Exit in Prince George's County.

MD 202 is assumed to run in a north-south direction.

## II. INTERSECTION OPERATION

## 1. Normal Operation:

The intersection shall operate in a Flashing Mode.

## 2. Special Operation:

The intersection shall be point control, pushbutton activated. MD 202's normal 8" yellow indications shall quick flash, then the 12" yellow indication shall warn vehicles of the red to come. After the school vehicles exit, the point control person shall activate the Normal Operation.

An eight-phase full-traffic actuated solid state digital controller and intersection monitor with battery back-up housed in a NEMA size '5' pole-mounted cabinet shall be installed at the intersection.

The pushbutton shall be installed in the police panel of the cabinet.

## III. SPECIAL NOTE:

Upon completion of this project, the contractor shall notify Mr. Robert Snyder of the SHA, Office of Traffic and Safety at 410-787-7635 to arrange for the phone line installation. The street address of the school is 4610 Margo Road, Upper Marlboro, Maryland, 20772. The telephone number is 1-301-627-4170.

## EQUIPMENT LIST (con't)

## B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	Maintenance of traffic.
2001	1	CY	Test pit excavation.
5001	1	EA	Heat applied thermoplastic preformed permanent pavement marking ARROW.
5003	1	EA	Remove existing pavement marking ARROW.
5005	45	LF	24" white heat applied thermoplastic preformed permanent pavement marking.
5006	1200	LF	5" white heat applied thermoplastic preformed permanent pavement marking.
5008	1370	LF	Remove existing pavement markings.
8006	1	EA	Cut, clean, galvanize and cap signal structure.
8011	10	EA	12" vehicular traffic signal head section.
8015	1	EA	3" weatherhead.
8019	5	EA	8" vehicular traffic signal head section.
8020	1	EA	Control and distribution equipment (120/240 V 1 phase 3 wire).
8023	1	EA	27' steel pole (cut to 21') with 60' mast arm.
8051	25	LF	3" PVC schedule 80 electrical conduit- trenched.
8059	6	CY	Concrete foundation for signal structure.
8060	66	LF	Wood sign supports 4" x 4".
8062	25	LF	No 6 AWG stranded bare copper ground wire.
8072	15	LF	1-conductor electrical cable (No 4 AWG-THHN/THWN).
8074	1	EA	Handhole
8076	37	SF	Install ground mounted sign.
8077	39	SF	Install overhead sign.
8082	1	EA	Ground rod 3/4" dia. x 10' length
8084	10	LF	2-conductor electrical cable (No. 14 AWG).
8086	50	LF	5-conductor electrical cable (No. 14 AWG).
8087	170	LF	7-conductor electrical cable (No. 14 AWG).
8094	1	EA	Install controller and pole mounted cabinet.
NEG.	1	EA.	PELCO Cabinet part # SE-1002 with flat plate part # SE-0138 and key type 1B

The following contact persons for District #3 are as follows:

Mr. Charlie Watkins  
District Engineer  
Phone: (301) 513-7300

Mr. Majid Shakib  
Assistant District Engineer - Traffic  
Phone: (301) 513-7358

Mr. Randy Brown  
Assistant District Engineer - Maintenance  
Phone: (301) 513-7304

Mr. Augie Rebish  
Assistant District Engineer - Utility  
Phone: (301) 513-7350

Mr. Richard L. Daff, Sr.  
Chief, Traffic Operations Division  
Phone: (410) 787-7630

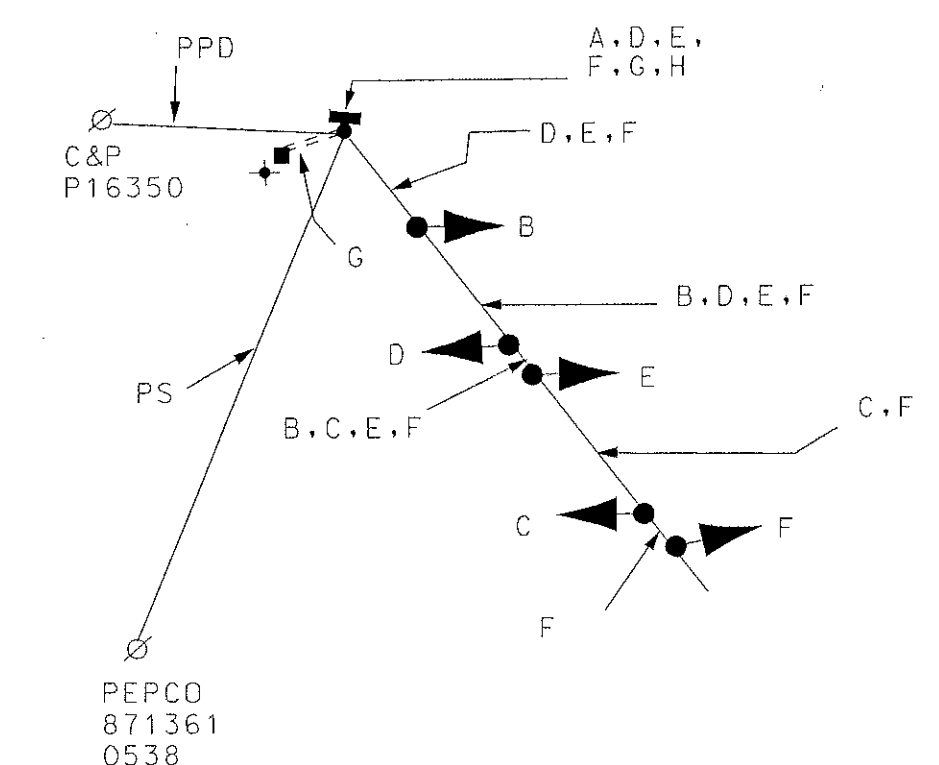
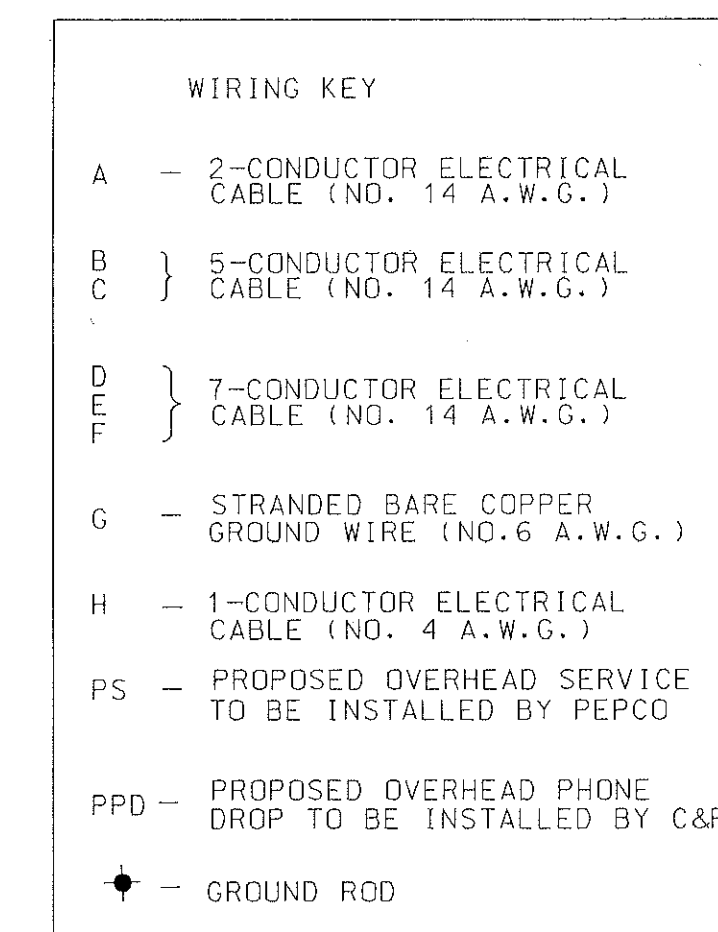
The power company representative is:  
PEPCO  
Ms. Debbie Woodson  
4061 Powder Mill Rd.  
Calverton, Maryland 20705  
1-301-931-2882

## PHASE CHART

1	2	3	4	5
R	R	R	R	R
Y	Y	Y	Y	Y
Y	Y	Y	Y	Y

NORMAL OPERATION	8" FL/Y	8" FL/Y	8" FL/Y	8" FL/Y	8" FL/Y	
SPECIAL OPERATION	QUICK 8" FL/Y	QUICK 8" FL/Y	QUICK 8" FL/Y	QUICK 8" FL/Y	QUICK 8" FL/Y	
	Y	Y	Y	Y	Y	
	R	R	R	R	R	

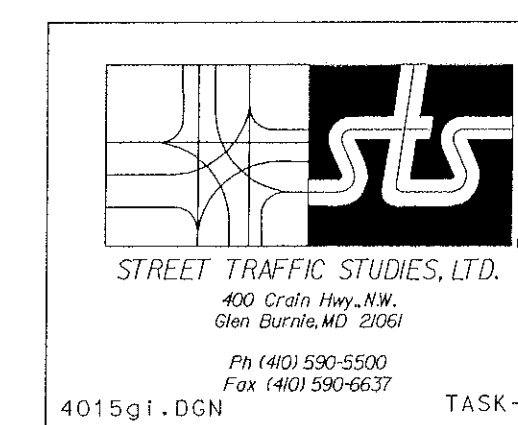
## WIRING DIAGRAM



## EQUIPMENT LIST

## A. EQUIPMENT TO BE FURNISHED BY M.S.H.A.

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
9000	1	EA	An eight-phase, solid state full-traffic actuated digital controller and Intersection Monitor II with battery back-up housed in a NEMA size '5' pole-mounted cabinet.
9089	76	SF	Flat Sheet aluminum sign. 2 each S1-1 "Individuals Crossing" symbol sign (42" x 36") fluorescent, yellow/green with black panel back ground. (overhead mt.) 2 each S1-1 "Individuals Crossing" symbol sign (36" x 36") fluorescent, yellow/green (pole mounted) 2 each R5-1 "DO NOT ENTER" ground mounted sign (30" x 30"). 2 each R6-1R "ONE WAY arrow" ground mounted sign (36" x 12"). 2 each R6-1L "arrow ONE WAY" ground mounted sign (36" x 36"). 1 each R3-2L "NO LEFT TURN" symbol ground mounted sign (30" x 30"). 1 each R3-2L "NO LEFT TURN" symbol overhead mounted sign (36" x 36"). 1 each R3-1R "NO RIGHT TURN" symbol ground mounted sign (30" x 30"). 1 each R3-1R "NO RIGHT TURN" symbol overhead mounted sign (36" x 36").
NEG	1	EA	Red LED 120 Vac Pixel #556-1505-801
NEG	2	EA	Amber LED 120 Vac Pixel #556-1705-801
NEG	1	EA	Plastic box enclosure #736-1620 or PN-1334-DG
NEG	1	EA	Standard Ped Button



Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION  
MD 202 (LARGO RD.) AND ENT. TO ST. MARY'S OF THE ASSUMPTION SCHOOL

GENERAL INFORMATION

DRAWN BY: EMM	F.A.P. NO. 4113 G1	TS NO. 4113 G1	SHEET NO. 2 of 3
CHECKED BY: RRZ	S.H.A. NO. 10434A52/1042		
SCALE: NONE	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO. E 668	
DATE: 8-1-01	LOG MILE: 16020209.16		